

ICECAPS-ACE Weekly Report

October 26th – November 1st, 2020

Heather Guy



Halloween ‘blue’ moon above the big house, on 2020-10-30.

Photo: Heather Guy

General Notes:

It was a quiet and routine week at the MSF with all instruments operating normally and mild weather. There are only a few hours of daylight left and I’m starting to see some ‘rave ice’ events out behind the MSF. The SKYOC pump failed on Sunday evening due to a damaged carbon vane, repair is ongoing.

General Weather Observations:

Date	Time (Z)	Wind	Weather	Visibility	Sky	Temp (C)	Notes
10-26	12	16 kts at 200	FZFG	800	BKN023	-31	
10-27	12	11 kts at 168		3200	SCT065	-37	
10-28	12	9 kts at 159	BR	1000	VV069	-34	
10-29	12	11 kts at 123		4800	BKN131	-33	
10-30	12	7 kts at 166		9999	SCT026 SCT196	-29	
10-31	12	18 kts at 080	DRSN	1600	OVC066	-28	
11-01	12	13 kts at 123		4800	OVC005	-35	

Significant Weather Observations:

- 2020-10-26 2000Z: Rave ice.
- 2020-11-01 1315Z: Fog bow

MSF

- Operating normally

ICECAPS-ACE Data Management:

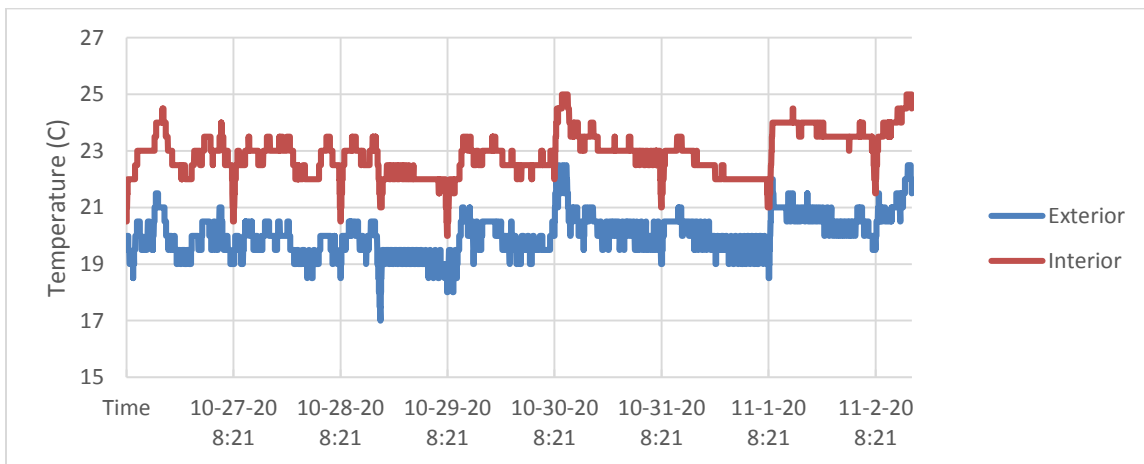
- 10-26: Data transfer completed at 0414Z.
- 10-27: Data transfer completed at 0610Z.
- 10-28: Data transfer completed at 0438Z.
- 10-29: Data transfer completed at 0447Z.
- 10-30: Data transfer completed at 0437Z.
- 10-31: Data transfer completed at 0438Z.
- 11-01: Data transfer completed at 0438Z.

TSI:

- Offline for the winter season.

Radiosonde:

- Once daily launches.
- See chart below for temperatures inside and outside the radiosonde cabinet over the last week:



MWR:

- Operating normally

SODAR:

- 2020-10-26 1429-1441Z: Cleaned and leveled the SODAR dishes.
- Operating normally.

POSS:

- Operating normally.

MASC:

- Offline for winter season.

MMCR:

- 2020-10-26: MMCR dataman mount down. The mmcr-dm computer was not connected to the internet. Connection was restored after a reboot of the router.
- Operating normally.

CAPABL:

- Operating normally.

MPL:

- Operating normally.

CEILOMETER:

- 2020-10-28: 'No CT header' error, cleared almost immediately.
- Operating normally.

PAERI:

- Operating normally.

IceCAM:

- Operating normally.

IcePIC:

- No IcePICs this week ☹

CPC:

- Offsite for repairs.

MSF - OPC:

- Operating normally.

TAWO - OPC:

- Operating normally

SKYOPC:

- 2020-11-01 1700z: SKYOPC pump failed due to broken carbon vanes. Repair ongoing.

Fluxtower instrument suite:

- Operating normally

Radiometers:

- Solar tracker misalignment troubleshooting ongoing, otherwise operating normally.